

MAP-Fis Essays Workshop

Friday 22 April 2022

MAP-Fis Essays Presentations (08:30 - 10:15)

time	[id] title	presenter
08:30	[13] Multifunctional magnetic nanostructures for cancer theragnosis	CASPANI, Sofia
08:50	[28] Controlling hidden quantum phases towards dynamical multiferroicity through nonlinear phononics	GOMES, Mariana
09:10	[17] Causality in Lorentzian CFTs	VILAS BOAS, João Miguel Araújo
09:30	[15] Design of Ruddlesden-Popper layered structures for efficient energy materials	PACHECO MOREIRA, Ricardo Manuel Alves
09:50	[32] Multiplex detection of circulating tumor DNA using graphene electrolyte-gate field-effect transistors.	DOMINGUES, Telma Campos

MAP-Fis Essays Presentations (13:15 - 14:35)

time	[id] title	presenter
13:15	[35] Towards ultrafast and ultra-compact lasers: uncovering ultrashort pulse generation mechanisms in semiconductor lasers with novel characterization approaches	GOMES, Tiago dos Santos
13:35	[36] Searching for dark matter with the ATLAS detector using unconventional signatures	BARROS, Maura
13:55	[37] Astrophysical and Local Tests of the Einstein Equivalence Principle	FREITAS DIAS, João Diogo de
14:15	[38] Black hole shadows, the Kerr hypothesis and fundamental physics	SENGO, Ivo

MAP-Fis Essays Presentations (14:55 - 15:55)

time	[id] title	presenter
14:55	[39] Competing and Coevolving Contagions on Complex Networks	MACHADO, Guilherme
15:15	[40] Collider, neutrino and dark relics of Grand Unification with Deep Learning	PINO GONÇALVES, João Pedro
15:35	[41] Identifying Root Causes in Dependency Network Models of Assembly Lines	REAL BARROSO, Filipe Costa